

## **CITY OF BURBANK**

### **TEST TECHNICIAN**

#### **DEFINITION**

Under direction, to perform field and laboratory testing of electrical and electronic equipment and materials used in power generating plants, transmission receiving stations, underground and overhead distribution systems and stations, and customers' premises; and to do related work as required.

#### **ESSENTIAL FUNCTIONS**

Follows prescribed procedures to inspect, test, calibrate and repair such electrical and electronic equipment as power protective and control relays, supervisory control systems, telemetering, switchboard, portable recording and indicating instruments, printing and recording equipment, and electric meters including power interchange, regulators, capacitors, transformers, generators, excitation equipment, communication cables, quadrphasers, electronic equipment, feeder voltage regulators, power circuit breakers, and control board wiring; performs high potential insulation tests and performs power plant and generator start-up efficiency tests; performs tests on energized equipment at voltages up to 70,000 volts for phasing of equipment; performs tests on fiber optic cable; investigates problems and advises consumers on questions regarding service connections, voltage, and load conditions; installs commercial and industrial devices; tests rubber safety devices; calculates efficiency of distribution transformers; prepares written reports of tests and maintains records; leads and trains employees; drives on City business.

#### **MINIMUM QUALIFICATIONS**

##### **Employment Standards:**

- Knowledge of - the principles of electricity, electronics, and mathematics and the characteristics of electrical equipment; tests techniques and procedures; safe practices and procedures.
- Ability to - read wiring and schematic diagrams; use varied electrical testing instruments and equipment; establish and maintain effective relationships with supervisors, fellow employees, and the public.

**Education/Training:** Recent completion of a Test Technician apprenticeship program approved by the State of California or equivalent OR four years of recent experience in testing or maintaining electrical equipment in a power utility, including one year at the journey Electrician level.

**Special Conditions & Requirements:** Employees in this classification will be required to comply with the American National Standards Institute's requirements on Practices for Respiratory Protection.

**License & Certificates:** A valid California Class "C" driver's license or equivalent at time of appointment.

#### **SUPPLEMENTAL INFORMATION**

None.